

540,359

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau(43) International Publication Date
8 July 2004 (08.07.2004)

PCT

(10) International Publication Number
WO 2004/056365 A2(51) International Patent Classification⁷: **A61K 31/498**,
C07D 403/06, 239/82, 403/10, 409/06, 405/06, 417/06,
401/06, 413/06, 401/12, 239/78, C07C 49/84, A61P 5/18(21) International Application Number:
PCT/EP2003/014741(22) International Filing Date:
22 December 2003 (22.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0230015.0 23 December 2002 (23.12.2002) GB(71) Applicant (for all designated States except AT, US): **NOVARTIS AG** [CH/CH]; Lichtstrasse 35, CH-4056 Basel (CH).(71) Applicant (for AT only): **NOVARTIS PHARMA GMBH** [AT/AT]; Brunner Strasse 59, A-1230 Vienna (AT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ALTMANN, Eva** [CH/CH]; Tannenweg 5, CH-4153 Reinach (CH). **BEERLI, René** [CH/CH]; Kirchweg 29, CH-4102 Binningen (CH). **GERSPACHER, Marc** [CH/CH]; Grossmatt8, CH-4616 Kappel (CH). **RENAUD, Johanne** [CA/CH]; Nussbaumweg 24, CH-4103 Bottmingen (CH). **WEILER, Sven** [DE/DE]; Adlbergässchen 6, 79539 Lörrach (DE). **WIDLER, Leo** [CH/CH]; Melchior-Berri Strasse 11, CH-4142 Muenchenstein (CH).(74) Agent: **GRUBB, Philip**; Novartis AG, Corporate Intellectual Property, CH-4002 Basel (CH).

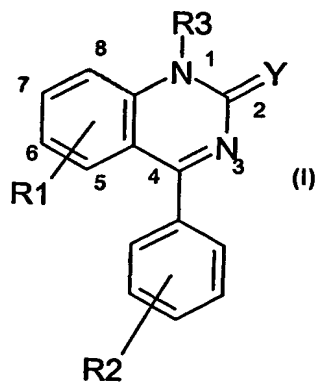
(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SE, SG, SK, SY, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW.

(84) Designated States (regional): Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **ARYL-QUINAZOLINE/ARYL-2-AMINO-PHENYL METHANONE DERIVATIVES**(57) **Abstract:** A compound of formula (I): wherein R1, R2, R3 and Y are as defined herein, or a pharmaceutically-acceptable and -cleavable ester, or acid addition salt thereof, useful for promoting the release of parathyroid hormone, e.g. for preventing or treating bone conditions which are associated with increased calcium depletion or resorption or in which stimulation of bone formation and calcium fixation in the bone is desirable.

WO 2004/056365 A2